Integration Control Panel Charter

Checkout and Launch Control Systems (CLCS)

84K00012

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REVISION HISTORY

REV	DESCRIPTION	DATE
Basic	Initial Document Baseline	10/8/97

LIST OF EFFECTIVE PAGES

Dates of issue of change pages are:

Page No.	A or D*	Issue or Change No.	CR No.	Effective Date**

1.

INTEGRATION CONTROL PANEL CHARTER

CHECKOUT AND LAUNCH CONTROL SYSTEMS (CLCS)

1. **P**

This charter establishes the Integration Control Panel (ICP) within the CLCS organizational element of System Engineering and Integration and under the configuration management guidelines as established by the CLCS Project Controls Office.

This charter also describes the roles and responsibilities of this panel and defines its authority. The ICP is responsible for the review and disposition of CLCS hardware and software issues as defined in Section 6.2, which will here after be referred to as "Issues". The ICP is also responsible for the overall configuration management of the CLCS development environments and for the establishment and implementation of a configuration change control procedure for these facilities.

2. **C**

The Checkout and Launch Control System (CLCS) Configuration Control Board (CCB) authorizes the establishment of the Integration Control Panel and grants the authority as defined herein.

3. **E**

This charter, and the processes defined herein, become effective upon its approval.

4. **S**

The ICP consists of representatives from Configuration Management, System Engineering & Integration, Safety and Mission Assurance, Applications Software, System Software, Hardware, Lab Manager, Delivery Manager, Integration, and Test organizations.

Membership includes the following 2 core members:

System Engineering & Integration, Chief Integration & Test, Lead

5. **A**

The ICP has full authority to implement and maintain the Configuration Management (CM) of the Development Environments, in accordance with the approved procedures established by the ICP and approved by the CCB.

6. R

6.1 CONFIGURATION MANAGEMENT OF DEVELOPMENT ENVIRONMENTS

The ICP is responsible for the overall configuration management of the CLCS development environments and for the establishment and implementation of a configuration change control procedure for these facilities. This includes both hardware configuration and configuration of software releases.

The following ground rules have been identified as part of the effort;

Ground Rules:

- Integration Development Environment (IDE) is a stable, controlled environment used for formal testing and buy-off of functional and system requirements. The design is a duplication of the operational environment and is under Integration and Test control.

- Satellite Development Environment #2 (SDE-2) will be a mirror image of the IDE and used primarily for informal testing. It will be a stable environment and functional requirements may be bought-off.

- Satellite Development Environment #1 (SDE-1) is a dynamic environment used by developers for development and debugging.

- Satellite Development Environment JSC (SDE-JSC) is a dynamic environment used by developers for development and debugging.

- Launch Control Center-X (LCC-X) is a stable, controlled environment used for formal demonstration of system capability.

The procedure for configuration control will be approved by the CLCS CCB and will serve as a pathfinder for the interim O&M (prior to turnover to SFOC) of newly developed CLCS sets. CLCS will use the Razor tool to aid in its Configuration Management. A configuration change consists of an alteration to an existing software or hardware baseline in a development environment (IDE or SDE's). A configuration change begins with completing a Razor Issue and submitting the issue to the ICP. This panel will establish, maintain and document hardware and software baselines.

6.2 CLCS HARDWARE AND/OR SOFTWARE ISSUES

This panel is also responsible for the initial assessment, prioritization, and scheduling of CLCS Hardware and/or Software Issues. A CLCS Issue is generated for any change activity on software and hardware items under development, test and delivery. This includes, but is not limited to, functional requirement implementation, enhancements, performance improvements, bug fixes, Commercial Off The Shelf (COTS) changes, Application Program Interface (API) changes, and data format changes. The following is provided so that the function of the ICP will not be confused with the Engineering Review Panel (ERP), Hardware Architecture Team (HAT), and Software Architecture Team (SAT). The ERP, HAT and SAT were established to resolve hardware and software issues, encountered during system planning and design. The ICP's function is to resolve issues detected during the testing and debugging of developed products.

These items constitute a product being delivered by the Configuration Items (CIs). The ICP manages all issues that surface after the development phase for a configuration item, while delegating Issues management responsibility to the CI Lead during development. The development phase ends whenever the product begins: the CSCI Integration Test (CIT) procedures for System Software, the Operations phase for Application Software, or when the document enters the Baselined phase. The Integration Control Panel will generate an ESR, (for the CLCS CCB) whenever a CLCS Issue has an impact. The ICP will determine the appropriate responsible organization/team, and route accordingly for further action. This panel will route CLCS Issues that require specialized evaluation to the appropriate panel (Change Screening Panel, Design Panel, Engineering Review Panel, or the RID Review Team).

The CI Lead manages Development Issues, which precedes the ICP's directing Hardware and Software Issues, as illustrated in Figure 1.0.

CI Lead/ICP managing Development, Hardware and/or Software Issues

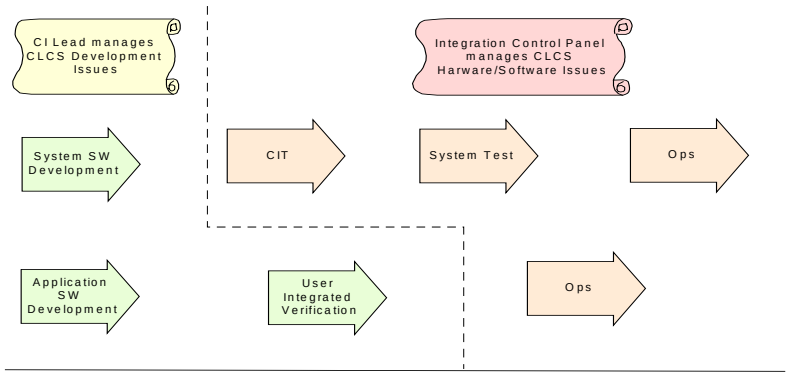

Figure 1.0

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